

Schulamid compounds

A broad nylon portfolio formulated for your unique needs



Our innovative *Schulamid* nylon material provides customers unique sleek designs, faster electrical connectivity, increased durability and strength.

Product selection guide

Description	Schulamid Product	Specific Gravity (g/cm3)	Tensile Strength (MPa)	Flexural Modulus (MPa)	Notched Charpy (kJ/m2)	Notched Izod (J/m)	HDT (°C) 1.80 MPa	Attributes
Unfilled Polyamide 6								
Low Viscosity (130)	6 NV 12	1.13	85	2300	6	-	60	High Flow, V-2 FR
Medium Viscosity (140)	6 MV 13	1.13	85	2300	8	-	70	General Purpose, V2 FR
Medium Viscosity (145)	6 MV 14	1.13	80	2300	7	-	60	V2 FR, UV Stable
High Impact	P65EO	1.08	50	1790	34	800	50	Super Tough
High Impact	6 MV HI	1.11	60	2500	16	-	60	HB
Super High Impact	6 MV SHI	1.08	50	1800	50	-	50	Super Tough, HB
Glass Reinforced Polyamide 6								
5% GF	NY0730G05UUVL	1.15	80	3300	-	50	60	UV Stable, Lubricated
10% GF	NY0730G10UUVL	1.19	95	3900	-	55	120	UV Stable, Lubricated
13% GF	FP63D13WR	1.23	90	4340	-	120	188	Wear Resistant
15% GF	6GF15H	1.23	120	4300	7	-	200	HS, HB
15% GF	FP63E15	1.23	128	5100	-	40	188	UV Stable
25% GF	6GF25H	1.32	152	8000	8	-	200	HS, HB
30% GF	6GF30	1.35	170	9000	12	-	200	HB
30% GF	6GF30H LW	1.35	170	9000	12	-	200	Laser Weldable
30% GF	NYL 6GF30	1.35	170	9000	12	-	200	HB, UV Stable
30% GF	NY0730G30UUVL	1.35	143	8400	12	-	198	UV Stable, Lubricated
30% GF	FP63E30	1.38	168	8270	-	110	199	HS
30% GB	NYL 6GB30	1.36	70	3000	4	40	68	Low Warpage, HB
33% GF	FP63E33	1.38	165	8270	-	100	199	FDA, HS
40% Mineral/GF	6MKF4015	1.45	110	8500	8	30	180	Low Warpage, HS
43% GF	FP63E43	1.49	200	11100	-	140	202	UV Stable
45% GF	FP63E45	1.50	210	12000	-	150	202	HS, HB
45% Mineral/GF	HILOY 610	1.52	145	10800	-	80	200	HS
Glass Reinforced, Impact Modified Polyamide 6								
15% GF, High Impact	6GF15HI	1.20	100	4600	16	-	190	HB
30% GF, High Impact	6GF30HI	1.28	135	8500	22	-	190	HB
33% GF, High Impact	FP64E33	1.38	150	8100	-	150	199	HS, HB
Industrial Polyamide 6								
Unfilled	P62EO	1.14	75	2830	-	80	60	General Purpose
Unfilled	P64EOHSBK	1.11	55	2310	-	100	52	HS
Unfilled, High Impact	P64EOUVBK	1.11	52	2200	-	300	52	UV Stable
15% GF	FP62E15BK	1.23	99	4830	-	35	193	General Purpose
30% GF	FP62E30	1.36	145	7580	-	75	199	HS, UV Stable
33% GF	FP62E33	1.38	152	8270	-	85	199	HS

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Unfilled Polyamide 66								
Medium Viscosity (145)	66MV3-01	1.14	90	3100	9	-	70	V2 FR
Medium Viscosity	663E0	1.10	64	3300	4	65	70	General Purpose
High Impact	66 MV HI H	1.08	55	1950	65	-	62	HS
Super High Impact	665E0HL	1.07	44	1850	80	900	70	Super Tough, HS
Glass Reinforced Polyamide 66								
13% GF	663E13BK	1.22	114	4960	-	35	238	HS, HB
25% GF	66GF25H	1.32	160	7600	9	-	242	HS, HB
30% GF	66GF30H	1.36	175	9200	10	-	245	HS, HB
30% GB	66GB30	1.35	95	4200	4	-	90	Low Warpage
33% GF	66GF33	1.40	186	10400	9	-	226	HS
33% GF	F662E33HB	1.38	159	9500	-	50	249	HS, HB
33% GF	F663E33	1.38	175	9310	-	75	249	HB
35% GF	66GF35	1.40	190	10000	13	-	250	HS
40% Mineral/GF	66 MKF 4015	1.44	120	9200	4	-	210	Low Warpage
60% GF	HM GF S60	1.72	255	21500	11	100	247	Metal Replacement
Industrial Polyamide 66								
Unfilled, Super High Impact	665E0	1.07	44	1850	-	900	70	Super Tough
Unfilled	662E0HL	1.14	80	3100	-	70	70	HS, Lubricated
Unfilled, High Impact	E-17470UV	1.1	63	2600	30	-	65	High Impact, UV Stable
13% GF	E-12812	1.21	105	4200	3	30	200	Wear Resistant
15% GF	F662E15	1.22	106	5000	-	35	220	HS
15% GF	F664E14HL	1.21	101	4250	7	109	220	HS, Lubricated
33% GF	F662E33HL	1.38	159	9000	7	-	249	HS, Lubricated
33% GF	F663E33	1.38	175	9310	-	75	249	HS
33% GF	FPI66-G33/HS/UV BK	1.39	175	9300	-	70	240	HS, UV Stable
38% Mineral/GF	FPI66-GM38/HS BK	1.46	135	9800	4	-	220	Low Warpage, HS, UV Stable



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Polyamide 612								
High Impact Unfilled	612FS 5003 MC	1.04	50	1400	75	-	90	Metal Coating, HS, High Gloss
Plasticized High Impact Extrusion grade	612 HV HI H W10	1.03	44	840	95	-	45	Low Temp Flexible, HS
High Impact Extrusion Grade	612 HV HI HE	1.01	40	1200	95	-	45	Low Temp Flexible, HS
High Impact Extrusion Grade	612 FS4104	1.01	35	900	110	-	55	Low Temp Flexible, HS
High Impact Extrusion Grade	612 FS5104	1.01	37	980	98	-	102	Low Temp Flexible, HS
30% GF, High Impact	612 CT GFS30	1.25	114	8170	19	-	190	HS
33% GF	612GF33	1.33	175	10000	11	-	195	HS
43% GF	E-17391-33	1.45	180	13000	12	-	200	HS
Polyolefin + Polyamide Alloys								
Unfilled, Extrusion Grade	RD 6 E	1.04	50	1300	10	-	50	PE Alloy, Low Moisture Absorption
Unfilled	M/MO 5101	1.01	50	2000	11	-	55	PP Alloy, Lightweighting, Low Moisture Absorption
8% GF	M/MO GF8	1.09	47	2600	10	-	99	PP Alloy, Lightweighting, Low Moisture Absorption
23% GF	GAPEX HT RNP23	1.22	120	5100	-	110	190	PP Alloy, Lightweighting, Low Moisture Absorption, HS
30% GF, High Impact	RD 6 GF30 HI H	1.25	130	7000	14	-	190	PP Alloy, Lightweighting, Low Moisture Absorption, HS
33% GF	GAPEX HT RNP33	1.25	125	7600	-	120	190	PP Alloy, Lightweighting, Low Moisture Absorption, HS
38% GF	GAPEX HT RNP38MU09	1.36	165	11200	-	130	190	PP Alloy, Low Moisture Absorption, HS
38% GF	GAPEX HT RNP38MU07	1.36	160	10500	-	110	249	PP Alloy, Low Moisture Absorption, HS
ABS + Polyamide Alloys								
Unfilled	M/MK 6401 SR U	1.07	42	1480	65	-	70	Low Warpage, Super Tough, Scratch Resistance, UV
Unfilled	M/MK 6501 U	1.08	39	1200	80	-	66	Low Warpage, Good Surface, Super Tough
8% GF	M/MK 6101 U	1.1	53	2700	13	-	76	Low Warpage, High Impact, UV
10% Mineral Filled	M/MK 6201	1.14	29	2200	25	-	77	Low Warpage, Good Surface
ASA + Polyamide Alloys								
Unfilled	M/MW 5501 U	1.1	44	1800	100	-	56	Low Gloss, Low Warpage, Super Tough, UV, Excellent Weatherability
Unfilled	M/MW 6501 U	1.1	43	1850	90	-	96	Low Gloss, Low Warpage, Improved Heat Resistance, Super Tough, UV, Excellent Weatherability
10% Mineral Filled	M/MW 5201 MT U SF	1.17	55	3000	10	-	65	Low Warpage, Good Surface, High Flow, UV, Excellent Weatherability
10% Mineral Filled	M/MW 6101 MT U	1.19	51	3100	22	-	55	Low Warpage, Good Surface, UV, Excellent Weatherability

The LYB *Schulamid* line of polyamide-based compounds complements its broad portfolio of Engineered Plastics products, which include our polypropylene, styrenic and flame retardant-based compounds.

About us

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